

Rec'd Oct. 27<sup>th</sup>  
Am Nov 2<sup>nd</sup>

BOTANIC GARDEN,

HARVARD UNIVERSITY,

Sargent

Cambridge, Mass. October 21. 1874.

My dear Sir,

Our friend Dr. Gray has turned over  
to me your note of the 10<sup>th</sup> inst. and  
I hasten to thank you for the seeds of  
A. Concolor, and Quercus undulata.  
Both most acceptable to us. I have  
been flattering myself for the past  
two years that we had the former  
growing from some of Perry's seed, but  
now he writes that he has seen A.  
Concolor this year for the 1<sup>st</sup> time. So  
I suppose it must go for grandis.  
The Concolor seed must have been  
picked too early, as it comes damp  
& moldy, but there are, perhaps, a  
dozen good seeds in the lot. Your seed



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of *Yucca angustifolia* are especially  
wanted, as are seeds of *Y. brevifolia*  
· *Y. Schottii* and *Y. guatemalensis*  
if they ever come in your way.

Is there any way in which I can  
get a few acorns of each of the  
following: ~~from~~ *Quercus tridentata*,  
*Q. alba* var *uncinata*, *Q. prinqueloba*,  
& *Q. laevis* from your part of the  
world. I don't know them in cultivation  
either here or in Europe, and I want  
them for the new Arboretum.

I have no doubt that this garden  
& Shreve's could exchange with a  
good deal of mutual advantage.  
A couple of years ago, I sent  
him something with a view to some  
thing of the sort, but nothing ever



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Came of it beyond a note of acknowledgment  
in his part. Can nothing be  
done with him?

If you have not it, I can send  
you some of Larix leptolepis for  
your Herbarium. as well as good  
seed. if you or any of your friends  
care to cultivate this hardy and  
interesting Japan form. he a  
plant in Mr. Sumner's garden  
has sudden died this year.

I am sure that if you knew the  
confusion that reigns everywhere  
in regard to our A. Western Conifers.  
You would come to the rescue of all  
your cultivators with your notes!

Very truly yours,  
A. J. Sargent.

Dr. George Engelmann.





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BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. May 31 1875.

My dear Sir,

I send you by this mail a young  
plant of Linum undulatum  
with cotyledons still attached.

These are certainly not long petioles  
nor do they seem more separated  
than those of other species at the  
same stage of growth.

The seeds of this species germinate  
fairly well; and I have quite  
a number of plants.

Of L. myrsinifolium only one has  
come up from the half dozen.



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to come for seed.

I Simulata has germinated  
pretty enough. and there perhaps  
half a dozen plants.

Colours Physalis not up yet.  
and not time, as there has been  
delay in planting the seeds, but  
I will tell you when about them  
later.

Yours very truly,

L. J. Sargent.

Dr George Engelmann  
St Louis.

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Rec<sup>d</sup> Oct 14<sup>th</sup>

Am Oct 18<sup>th</sup>

BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. October 11 1875.

My dear Sir,

Many thanks for the packet  
of corms which arrived to day  
in excellent condition.

We have just rec<sup>d</sup> from Dunn,  
of San Diego. plants & seeds of  
two Agaves. which he says

are your A. Shawii & A. deserti.

Can you tell if these plants are  
known in cultivation under other  
names? This is not unlikely

as so many Agaves have been  
introduced from Mexico - and



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there is certainly the greatest  
confusion in their synonymy.  
Dunn speaks of C. Shensi  
being cultivated in Scotland  
under the name of Chrysom  
Xalapensis, but this is surely  
not correct. It looks to me  
young state much like Chrysom  
Hercholtzii of Belgian gardens.  
The Isaetes is all right so  
far - but shows no sign of  
fecundation yet. Thanks for  
the name. Thanks also, for  
your trouble about this Rose  
tree. By the way here you are



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Correspondents who could get  
seed of Rudbeckia maxima,  
or Helianthus Maximiliani  
for us? If you have, will you  
kindly send me with their  
addresses, perhaps.

Yours very truly,

C. S. Sargent.

Dr George Engelmann.  
St Louis.

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Rec Oct 29<sup>th</sup>

Ans Nov 4

BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. October 25 1875.

My dear Sir,

I send you by this mail some of  
the Isotria. The pan in which it  
has been growing has been all summer  
in a cool house with a northern  
aspect, and the plant has been  
treated like Dioscorea Sarsacoma  
or. but has not been kept in, or  
under water at any time. Since I  
have had it. I think it has rather  
failed in health during the past six  
weeks. In regard to Dioscorea I want  
tell you much beyond the fact that



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his name is G. W. Durin. and that  
his address is San Diego. He was  
established some years in San  
Francisco as a collector for the market  
of bulbs and seeds. and that he  
has been in San Diego for the past two  
years doing the same thing.

He evidently has an eye for the  
main chance in his botanical transaction.

He only sent me plant of each species  
and two or three capsules. and these  
unfortunately have been broken up. and  
the seed plant. I was <sup>induced</sup> ~~to~~ to do  
this by Palmer, who has been in  
the same country this summer,  
is sending a lot of specimens,



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In cacti plants or in any  
other more capsules of these agaves.

Which he has already sent  
photographs. When these come  
the cactus shall be sent for.

The seed has germinated & I have  
a good supply of both the seeds  
coming in.

I take a great interest in both  
Agave & Yucca.. and if at  
any time seeds of these come  
into your hands. I shall be  
greatly obliged if you will  
share them with me.

In fact I will make this request  
General. as I can use such



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of any American plant to advantage  
either here, or for European exchanges.

Your two Vaks are doing as well  
as possible: but in other years  
will begin to show their characters  
I hope.

Yours very truly,

A. J. Sargent.

The seed of *Rosa setigera*  
has not turned up yet.

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Rec Jan 29

BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. January 25 1876.

My dear Sir,

The box of plants, and seeds of  
Rosa Schimper arrived yesterday  
in excellent condition. with perhaps  
the exception of the Saxifraga. which  
look as if they had been a little  
touched by the cold. Many thanks  
for your sending, which is most  
acceptable. As I have been  
especially interested for some years  
in the cultivation of Urtica. I shall  
be much pleased to get a copy of  
your paper on the genus. You include



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Several. which as far as I know  
have never been introduced into  
Cultivation. and now that thanks  
to you we know more about them  
I shall hope to get hold of them.  
I have got now a large supply  
of seedling plants of A. Shaueri,  
A. Deantii + A. Weberi.  
and can send you some in the Spring  
if you want them.

Truly yours.

L. S. Sargent.

MISSOURI BOT.  
GEORGE ENGELMANN PAPERS

Dr George Engelmann

St Louis



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Rec July 8

BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. July 5. 1876.

My dear Sir,

I am very much obliged  
for your two papers in regard  
to Pak. which you have been  
kind enough to send to me.  
I hope I shall duly receive it.

I am glad to hear that there  
is a chance of your coming East  
this Summer. & I shall thus  
have the pleasure of making  
your acquaintance. With thanks,



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In person for your kind.

Yours very truly.

C. J. Sargent.

Dr George Engelmann.

St Louis.

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Rec Nov. 6<sup>th</sup>  
a Jan 16  
x Nov 9

BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. November 2<sup>nd</sup> 1876.

My dear Dr. Engelmann,

I was in West Chester. the other  
day. and went to see the old  
Garden of Joshua Wropper. and the  
so called *L. heterophylla*. there.

Mr Wropper told me that you took  
leaves of this tree. but could not  
find any fruit. I got a few acorns.  
old & young. which I send to you to  
complete your specimen.

I was at Barton's Garden. and  
got there specimens of the leaves & bark  
of the *L. heterophylla*. for you. & I was  
not here. you say that you were  
there. I could find no fruit either old



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or young or under this tree.

I sent you the specimens from this tree until I hear whether you want them or not. as you may have got them yourself.

While in Philadelphia I wish that the horns of L. palustris are, in some cases, striped in the same manner as those of L. illinoensis.

Georgina. I don't remember to have seen it in the books anywhere.

The scattered black rats puzzle me this year more than ever. and

I am all at sea about them. ~~So~~

that I can't come with any certainty define the two extreme <sup>forms</sup> ~~points~~. Can't

you give me some tangible characters.



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for the best marked form?

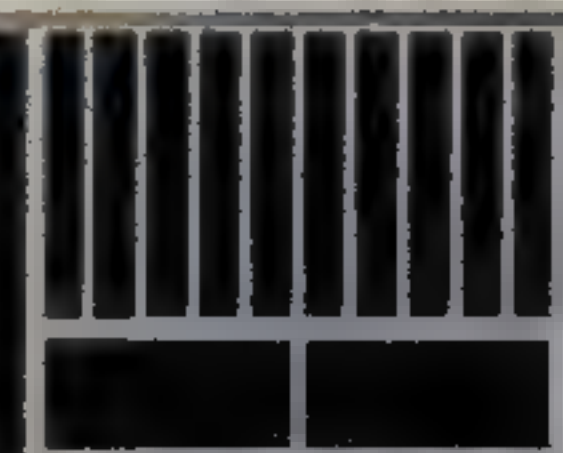
My plant of Agave Guineensis  
is showing a flower spike, first  
noted yesterday.

Your love plants will be sent soon  
in a day or two.

faithfully yours,

C. J. Sargent.

Dr George Engelmann.  
St Louis.



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Rec<sup>d</sup> Nov 20<sup>th</sup>  
an Dec 5

BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. Nov 15<sup>th</sup> 1876.

My dear Doctor,

Thanks for the Citrus seeds.

which I shall plant at once, &  
watch the results.

I think half a bushel of the Carya  
subcordata nuts will be enough. I  
should like to have them, but not  
in barrel, as you kindly suggest.

Your Junolobus still all right.

Some fine specimens of I. cinereo-Catechaei  
have just come from Mellichamp.  
Should not I send you a plant in  
the Spring for Shaw's?

We don't say yet whether or not I am  
to send you the foliage from the tree



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at Burlington. The Agave Stokes  
is progressing nicely. is already  
nearly four feet high. the growth of 15  
days. I have a corn of L. Prunus  
acuminata. Come to your house. please  
let me have some of them.

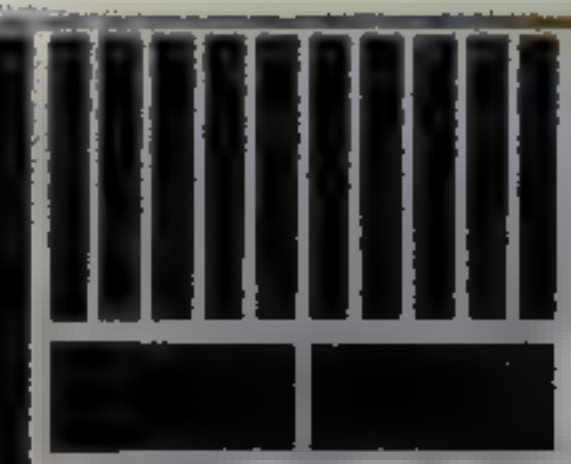
Yours very truly.

C. S. Sargent.

Dr. George Engelmann.

St Louis.

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Rec Dec 20<sup>th</sup>  
Ans Jan 2

BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. Dec 17 1876.

My dear Dr Engelmann.

In spite of the terrible weather,  
the plants have arrived in good  
condition. Of course they were  
somewhat frozen, but not enough,

I think, to injure them. Many  
thanks for them & for all the seeds!  
which are particularly valuable.

Yesterday by mail the little packet  
of Citrus came. I should like more  
another year. The Citrus seeds are  
all kept carefully planted.

I enclose \$10. From it please repay  
yourself for any out lay you may have  
made in my behalf. I should like  
balance to Mr. Egbert. If this is  
not as much as I should give him  
let me know. I will do the right



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thing. It is too large. to sum,  
in your opinion, for the work he has  
performed. let him have ~~the~~ the  
understanding that I want to encourage  
him in his botanical work and  
that in other ways. I will give him  
more to do in collecting seeds of  
P. nutt., (if he can do it). A corner  
several of your western plants that  
he wants. But I leave all  
this to you to arrange with him.  
Only I want him to be satisfied  
pleased. The Ilex berries are  
too valuable for winter bouquets.  
& they have all gone into the ground.  
If you have not heard from Dr Gray  
you will be glad to know that  
I have a fine son. two weeks old.



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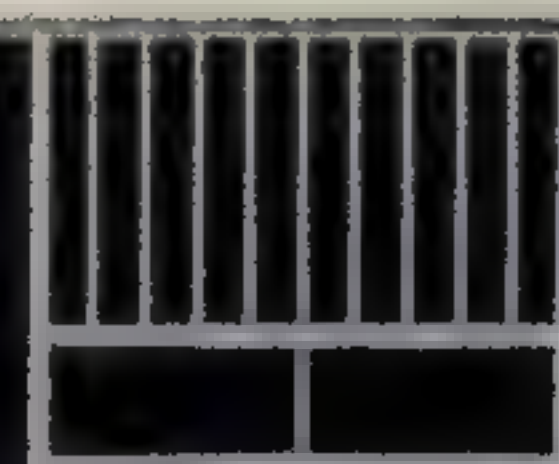
and that Mr. Sargent is getting  
so splendidly.

Pray recall me to Mrs. Engelmann  
and believe me to be

Yours obliquely.

C. S. Sargent.

Plants of the Japan Ampelopsis  
sent by mail recently to Shaw,  
to your suggestion. There are plenty  
more if you will have them.



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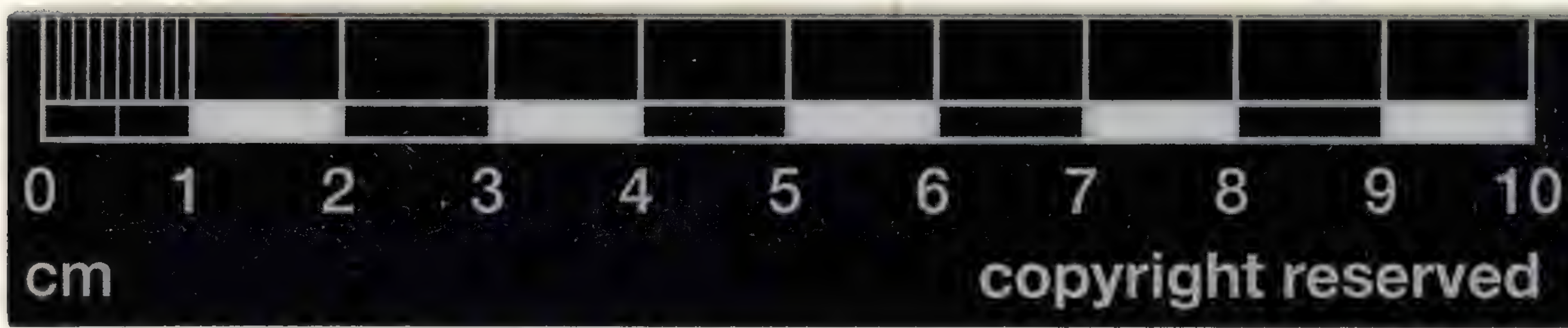


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Rec Dec 21<sup>st</sup>

as seen by P.C.  
BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. Dec 18 1876.

My dear Dr Engelmann.

Hooker has asked me to  
make for the New Museum  
a set of specimens of *P. americana*  
Pines. Showing on a piece of  
the branch: the leaves. clusters of  
cones. &c. &c. Farley has been able  
to send him from the Centennial  
Exhibition nearly a complete set, but  
the following are still wanting.

*Pinus Coulteri*.

" *Jeffreyi*.

" *contorta* var. *latifolia*.

" *Bolanderi*.

I don't remember about the last  
whether it is a good specimen or not  
that name stands. Does your



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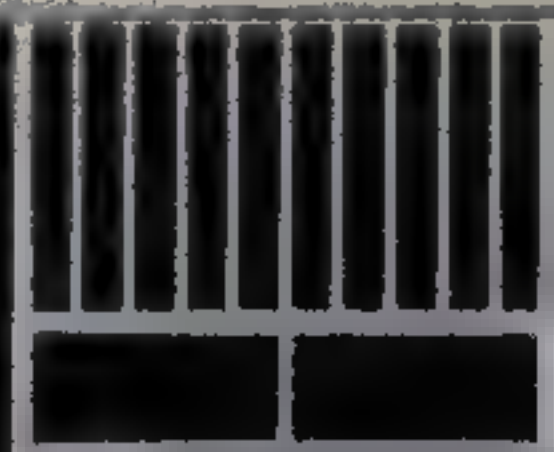


herbarium possess duplicates enough  
to allow you to spare me a set  
of the above. Large enough to supply  
what they want. That is specimen  
to hang up in the museum. That to  
go between Jones & Co.?

If it does. I shall be greatly  
obliged if you will send  
them in. but you must not  
think for a moment of doing any  
thing which will leave even the  
look of robbing yourself.

P. Scrota is also missing  
but I shall write Hillebrand  
to look out for that for me.

It is terrible weather here  
today. Snow. rain & sleet. very



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blea. with all those thunder  
lightning!! What are we coming to?

faithfully yours.

C. S. Sargent.

Dr. George Engelmann.

St Louis.



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Rec Jan 15  
Ans - 16

January 16<sup>th</sup> /77.

My dear Dr Engelmann,

I send you this P.M. by mail.  
flowers of Agave Jucaepolia. in  
the hope that they may reach you  
without being frozen. There  
are three flowers in the box. 1, 2 &  
3 days old. showing the position  
of the style at different times.  
In the oldest flower. I cannot  
see that the lobes of the style  
have opened at all. although  
the stigmatic fluid has appeared.  
and the style has somewhat  
enlarged. and evidently in condition



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to be acted ~~only~~ by the pollen.  
dropping for some of the <sup>later</sup> flowers  
above.

The honey appears about 8 a.m.  
on the day after the opening  
of the flower & is very abundant  
entirely filling the flower-tube.

Colorless. honey-sweet. & as  
<sup>sticky</sup>  
~~adherent~~ as maple syrup.  
Whit it much resembles.

Stamens adnate to base of  
the lobes.

I have yet to notice the time  
when the anthers become effete.  
Is the styleg matter fluid  
or opaque. If there are other points



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let me know, as the flowers  
will continue to ~~open~~ for an other  
week. Thanks for seed of  
Celtis americana solely.

In great haste.

Yours faithfully

C. S. Sargent

Dr George Engelmann

St Louis

Let me hear how the  
flowers reach you.

send buds  
when do anthers open?  
fl. in pairs or bristly?



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Rec<sup>d</sup> Febr 24<sup>th</sup>  
An Mark 7

BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. *Febr 22* 1871

My dear Dr Engelmann.

I send you by mail a small  
box containing the specimen I  
had according to the enclosed.  
No 1 is certainly curious. So I  
2 send me of the scales taken from  
the bark. I think I can follow  
this species <sup>from</sup> the normal smooth  
bark up to this scaly bark.  
If this holds good with many  
specimens. Some change in section  
or rather arrangement of section  
of the Genus. will be necessary.  
I should like your opinion of this tree.  
What you remember we looked  
just behind my house.  
The other tree for which I send looking  
specimen I am clear enough about



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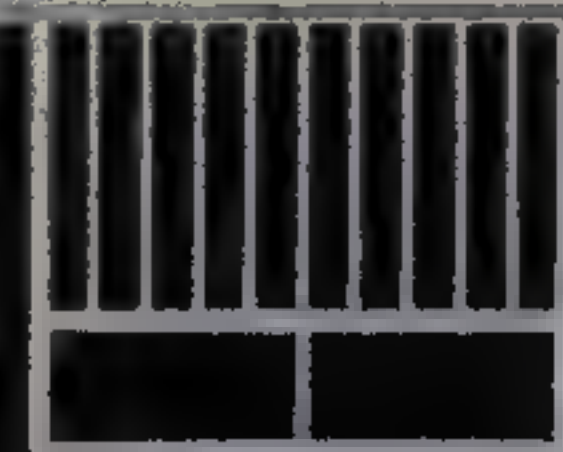
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think. I send you some buds  
specimens of I. bicolor. as I  
saw from a <sup>slight</sup> difference  
between the buds on the Cambridge  
tree. and those from the tree near  
my gate in Brookline. What  
say you? I wish for you to look  
at No 10. carefully. The  
specimen is from the very fine  
large tree at Brookline. which  
we took for a European oak.  
I now think it is only I. bicolor  
in a form of it. Something like  
the tree by the gate. Indeed  
there are six or seven of these  
trees all near each other. and  
which are all very much alike.



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The buds of the Cambridge tree are  
certainly more obtuse than any  
in the Brooklyn trees. I want  
to know about the stigma of your  
A. Shawii. Does it open in the  
same way as you observed in  
A. Virginica. and as in Amaryllis  
proper. or does it, at maturity,  
without opening, become covered  
with papillae. as in my Agave  
of the 2<sup>d</sup> section. If the latter.  
when and in what manner  
and the papillae growth  
development? Is the stigma  
flesh <sup>copious</sup> lobes?

I am better. but still write  
with pain & difficulty.

Sincerely,

C. S. Sargent



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Recd Febr 28  
Ans March 7

February 25 1877.

My dear Dr Engelmann.

I am in looking over my  
Botanical specimens with a  
view of having some of them bound.

I have the following from

East Bot Garden

per. all papers in Pacific R.P.R.

all in no 1. vol III from St Louis city

" " " 1 " " " " " "

" " " 2 " " " " " "

Notes on some Ferns of the U.S. by  
Kunze communicated by Dr G. E.

Monograph of Cuscutaceae

addition & correction of Monograph  
of Cuscutaceae.

Synopsis of Cactaceae.

Cambridge 1856



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Paper on *Cereus giganteus*.

Paper on 2 new *Diocleas* grasses.  
1859.

Sketch of the Botany of Martineau's  
Expedition. 1848. Correction

Plantae Lundhemmerianae. 182

In. A. Equisetum.

presented by Dr. G. S.

Paper on agave

" " oaks.

~~Yucca~~  
Junos

If you have copies to spare of

any others of your botanical

papers. I shall be very much

obliged to you, if you will give

me as full a set as possible.

If there is any St Louis

publisher from whom I can procure

them. I shall be obliged to you



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were given me her address.  
that I may write and order them.  
I hope you understand that I  
should not have applied to you.  
had there been any other way  
of making up my set and  
that I am anxious not to put  
you to any expense in the matter.

I sent you the other day some  
Tobacco sent from Rev.  
as being something very fine  
thinking ~~it~~ you might like  
to give it to some of your  
correspondents to try. The sending  
of the Hickory buds has been delayed  
but they go at last. I give you more  
or larger specimens let me know.  
Yours very truly, C. S. Sargent -



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Rec. March 16<sup>th</sup>

As same day BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. March 13. 1877

My dear Dr Engelmann,

Many thanks for your drawings  
of the stigma of C. Shaveri.

As for the stigma of my agave.

I only noted what I saw.

Section of style

Although I repeat your observation

is such a thing to my own

thousand fold. I looked carefully

at the stigmas of various flowers

with the expectation of finding

the lobes open, being prepared

for it by your observation of C.

virginica. Now was the stigmatic



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fluid continues in the cups formed  
by the opening lobes. as it would  
have been had there been any  
opening. but it stagnates (so to  
speak) boldly in the end of  
the stigma. The fluid secretion  
being possibly 2 lines thick.

Doubting the accuracy of my  
observation. as it can not lead  
me to the result <sup>you</sup> ~~you~~ have been  
me to expect. I submitted

a *Utricularia* stigma to Dr  
Gray. who confirms my  
observation about the lobes not  
opening.

In view of all this I don't think  
I'm wrong. and it seems to



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[Mar. 13, 1877]

but that until we examine  
the flower of more specimens of  
Ostrya. the opening of the lobes  
of the Stigma should not  
be considered generic.

Of course gymnosperms are  
a distinct mistake of the  
proof reader.

I'll send the hickory flower.  
What chance is there of getting  
them to grow in a fresh state?  
They would be better than  
those specimens. I suppose, too.  
You had better see flower  
of my Quercus bicolor.. which  
is a common tree. gymnosperms



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see by the book. I have already  
sent.

Your paper on Coitum is Bot.

1 Mex. Boundary. I have not yet

and my best copy of your paper

1 to your copy for June. It is a

of Science. Stops at page 458.

is at the end of the 2<sup>d</sup> line of J. Alpin

Yours sincerely,

C. S. Sargent.

Dr George Engelmann

St Louis

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Rec<sup>d</sup> March 26

An April 25

BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. March 22 1877

My dear Dr Engelmann.

I fancy that your theory in regard to the flowers of my *Agave* not having completely developed is the correct one. The weather at the time was very bad and dark, hardly any sun, and snow nearly every day. Temperature in the house low, and as unlike the climate of Mexico as possible. That these conditions were unfavorable is evident from the fact that all the bracts dropped off in two or three days after the fading of the flowers, even those which I had impregnated artificially. My other



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Agave, which flowered in April  
+ summer. set plenty of seed. but  
at that time, unfortunately, my  
attention was not directed to the  
development of the flower. At times  
sections of the style seemed it to be  
? hollow or were the lobes of the stigma!  
Is there no chance of being able  
to introduce some of your M. Mexican  
species? It is most desirable to do  
so. As for the Elm seed I will do it  
with pleasure. Who shall I send it  
to? I have long wanted a correspondence  
with C. Koch on account of his

Herodological attainments, but never  
have had the occasion to bring it  
about. Shall the seed go to him?

If our Elms are rare in Europe (a thing  
which astonishes me) it is because  
seeds, which like those of our Elm spread



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and White Pines. When in Early  
Summer. travel very badly indeed  
and soon lose their power of germination.

The surest way would be to plant the  
seed here as soon as we can. and then  
in the autumn send the seedlings  
on. so it would be about 12 inches  
high. and fit to travel. Five dollars  
would take over a box containing some  
thousand spruce plants. from here  
to Berlin. If you hear this plan  
would be agreeable to them then. I'll  
attend to it for you. but I wish  
leave you to take the initiative in  
the matter. such seed and spruce or plants  
as you consider best. If you collect  
Elm seeds. I would like a supply  
for myself of U. alata. U. fulva.

There is no one in Oregon I know. who  
knows Conifers. it is really planned for



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A. grandis. Did you ever see in  
European gardens the true thing and  
have not all the plants under that  
name you A. canadensis?

Who will get seeds of A. canadensis  
of Douglas? It is very important  
to get hold of them. What a pity  
Jones has come East again! He  
would have helped us with the conifers.

I have picked up a perfect copy  
of your journal paper. So don't send  
it.

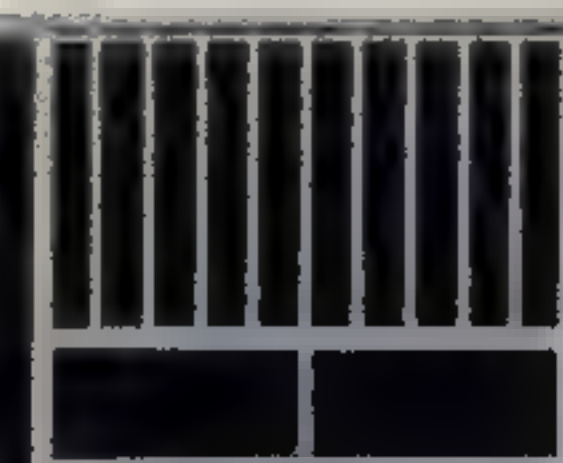
Wm. C. Jones.

C. S. Sargent

Dr. George Engelmann.

St Louis.

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Rec<sup>d</sup> May 16<sup>th</sup>  
An — 17

May 13 1877.

My dear Dr Engelmann.

By mail to day I send boxes

No 1. I. lobes on pedunculation

No 2. I. near Cithis. resembling

I. lobes as we supposed last year.

No 3. I. by my gate.

Nos 4 + 5 + 6. I. belonging to the same

group as No 3. and here belongs,

too, I suppose, No 2.

No 7. *Carya porcina* with scaly.

back back of my house.

I have given directions to have



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kind of all the Californian takes  
sent you as they develop  
and among them I. Emoryi  
which is very late.

I fear there is not much hope of  
my being able to get fresh  
flowers of either Oak or Hickory  
to you in a condition to be of any  
service, but let me know what  
you want me to make these  
specimens of for you.

It is like a summer day  
here to day. Things are coming  
out very fast. I do not think  
I have packed they and sent



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feel very confident of the  
Lucas of this Sunday. but  
let me know how they work  
for.

faithfully.

C. S. Fargus.

Dr George Engelmann.

St Louis.

What have you to say about  
the supply of seed of *Pinus*  
*mitis*?



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Rec'd June 25 1877

Ans same day

June 22<sup>d</sup>

Dear Dr. Engelmann,

I send you to day a bit from  
a Spruce which puzzled  
me. It is growing in a bed  
in which there are several  
of the Colorado Abies Menziesii  
and some white Spruces.

I hope I have the plant  
has one of the former. I noticed its unusual  
growth this year. I send



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for comparison a small bit  
off of one of the other a

Myrica ~~for comparison~~

You will see how much more  
scattered, lighter and sharper  
pointed the leaves are, and  
the doubtful plant.

I shall send you three  
specimens of the peculiar  
bark in a few days, also  
a list of our Cambridge disjuncts  
of plants & seeds which please  
hand over to Mr. Egbert  
with such instructions as



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may be necessary. You don't  
tell me where I had better  
look for a supply of seeds  
of Pennis setacea. As it should

come from as far north  
as possible. that the plant  
may be handy. I get but  
one answer to my note on  
this subject. in the "Inquirer"  
& B. of the Jersey Club. and  
that is more than doubtful  
to me. and I hardly know  
what to do in the matter.

If you have a trial of northern



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location: I should be glad to  
have them. I suppose you will  
be away all summer with  
on botanical business - for  
how can you resist such a  
temptation?

Here there is no like in  
your Forstersia or Ilex  
but the two plants of  
Calycocarpum are growing  
freely. The Gonolobus has  
quite grown.

With much yours,

C. S. Sargent

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Recd Aug 27  
An - 31/

BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. August 24/1871

My dear Dr Engelmann,

Your seed of Forsteria were  
all planted. & I am happy to  
report five seedlings in the  
nursery. They are strong & healthy.  
So I don't think Mr Egger  
need bother about wild seedlings.  
It is doubtful if they would  
grow. Many thanks for  
your introduction to Mr  
Satterman, to whom I shall  
write soon. I will attempt to



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Your painting specimens of  
*L. bicolor* ~~tree~~ is due time.

Yes. Your memory is right  
on Brooklyn from here the  
back on both stem & branches  
"mug & cracks" had not at  
all flaking. Do you see any  
pedunculate bloss about them.  
but that leads to heights  
& dangerous ground.

I hope you have impression on  
Ivan. the importance of  
getting good ripe fruit of  
*L. imrayi*! We have two  
plants of *Agave Zuccobolus*



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throwing up tall & very stout  
flower stems here. I will send  
you some of the flowers later.  
You seeds for the Indian  
Territory have not come  
yet.

Yours sincerely,

C. S. Sargent.

Dr George Engelmann.  
St Louis.



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Rec Sept 27  
Ans Oct 5

BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. Sep 24 1873

Dear Dr Engelmann,

I send pressed flowers of Agave  
Yuccae folia as you desired also  
a drawing. What Mrs Sargent  
has <sup>made</sup> more, what sort, I fear, be of  
much use to you - As you know  
these things don't press well. but  
you will I hope be able to make  
out the position of the stamens.  
In the case of my plant of this  
species, which flowered under glass  
last January the tube of the pistil  
was entirely filled with the honeyed  
secretion, and this secretion ~~remained~~  
continued until after the flower



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had completely withered. In <sup>fact</sup> it  
was the most copious secretion of the  
but I have even noticed in my flower  
blossom in the core of the two plants  
here. flowering in the open air.  
there has not been any sign

of flowers in the perigone.

In consequence the flowers here  
have visited by very few insects.  
I have noticed only a rare honey  
bee. about the spikes, but they soon  
left in disgust. The worms

are swelling slightly. all dropped  
off. three or four days after the  
withering of the style. What have  
you got to say to this?

The lobes of the stigma opened slightly.



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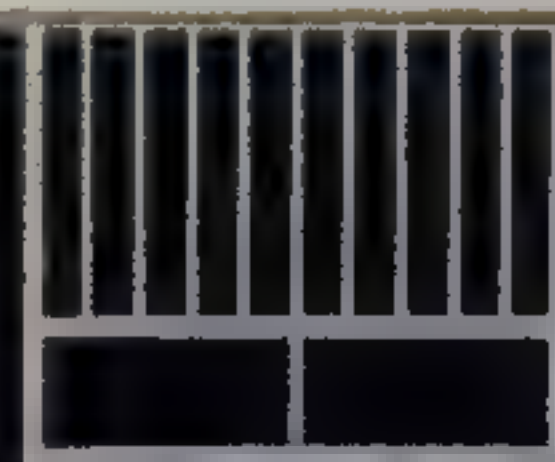
in that manner for the development  
of the flower on my plant. but the  
stigmatic flower was much less  
copious in this case. than in my  
plant -

Letterman

I have been a note for Leggett  
about Januaries. but there was  
less again. I wish you would  
urge on him the importance of his  
getting the Pursh Indica seeds.

Now that other correspondents have  
failed. I depend on him. & I am  
perfectly willing to make it worth  
his while to do this work.

There nothing from you or from  
Germany about the Sunbury Elm.  
It is time I should know about  
it if anything is to be done



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the year. Not one of the seeds of  
either U. racemosa or U. fulva  
you sent germinated, but I have a  
few seedlings for seed sent from

Beard of Michigan. Can you give

me the name of any intelligent wood

worker or carriage maker in St Louis

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who could give me some details  
about the economic value of U. racemosa

in comparison with the common Elm,

or the tree? If you can I will write

to him. Can you give me the name

of the plant of S. California which we

have called Emorya <sup>of</sup> ~~subsp~~?

and you seedlings in the Spring

Also the name of the box No 24 of

Palmer's collection in S. California is

1175.

I greatly oblige you very

C. S. Sargent



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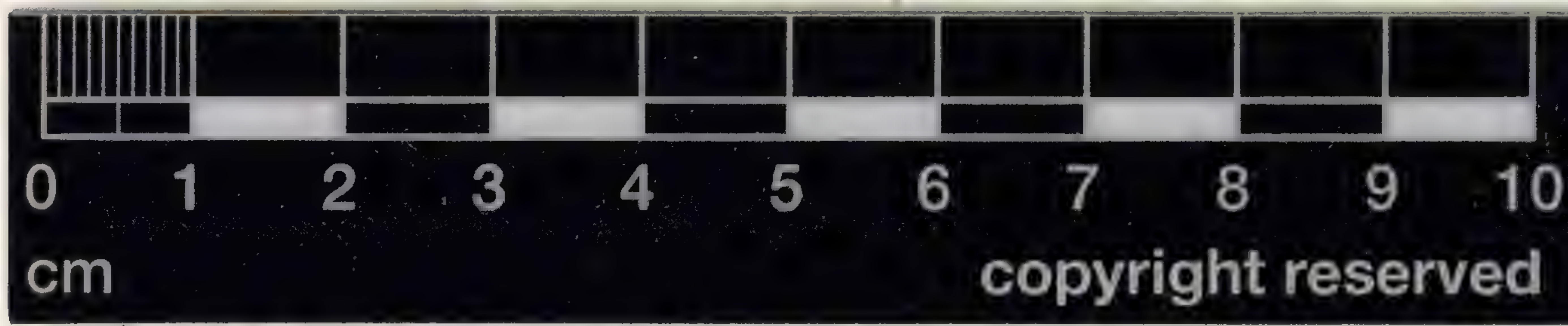


- No. 1. *Carya porcina* with scaly bark. Brooklyn  
 No 2. " " typical form. "  
 No 3. " " intermediata between Nos 1 & 2.  
 No 4. " tomentosa.  
 No 5. " alba. Brooklyn.  
 No 6. " " Cambridge.  
 No 7. *Quercus bicolor* Cambridge.  
 No 8. " " at my gate.  
 No 9. " " near last and similar  
 to it.  
 No 10. " at Brooklyn near *Alnus*.  
 No 11. *A. Hudsonica* Brooklyn.  
~~with very scaly bark.~~





*[Faint, illegible handwriting on aged paper]*



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Rec<sup>d</sup> *Octob 4*  
Ans — 5

BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. *October 1877*

Dear Dr Engelmann.

I have been in Maine ~~on~~ purpose  
to investigate the latent mode  
of growth of *Pinus resinosa*.

You say in Gray's Manual

"Cones deciduous after shedding the  
seed" — I find in every case

the cones which shed their seed  
last autumn still persist to  
the branches. I also found one  
branch with the cones of 1877. 1876

1875 & 1874. — This I send you

by mail as proof that my observation

is correct — The cones of 1876, that



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is those which should <sup>ripen</sup> when seen  
the autumn are very rare. I only  
saw half a dozen, some of them good  
for anything. This tree is getting  
very rare in Iowa. I fear  
soon be entirely destroyed there.  
Much is cut for timber & I only  
saw a very few young plants  
coming up. Indeed it bears but  
few cones in comparison with the  
other species of this neighborhood.  
I saw a specimen of *P. rigida*  
*P. wedgiana*  
with the cones of six years ago  
still persistent.

Small Grove,

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GEORGE ENGELMANN PAPERS

C. S. Sargent.



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Rec Oct 5<sup>th</sup>  
Ans same day

BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. Oct 1 1877.

My dear Dr Engelmann,

I Enclose a list of some of  
the plants we want, and  
what Mr Sargent can get for  
us. I Enclose the list under  
cover to you. & I have not heard  
from him in reply to the letter  
I wrote him about P. metis  
seed. So I fear the direction was  
not correct. Some of the things  
of course are not within his range.  
The Bumelia possibly the  
other men can get. I should  
like very much to have them.  
Hoping very soon some will



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Specimens of Juncus Scusa.  
with young fruit. Should like  
to plant some if they are to be  
had.

Very truly yours,

L. S. Sargent.

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Rec Oct 25  
An - 26

BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. *Oct 22* 187

My dear Dr. Engelmann.

I send you the following herb.

The common

No 1. *Galium* *lucidum*.

No 2. *Althaea* " *officinalis* *lucida*

there is nothing but a large

portion of *l. alba*, further examination

showing away with the peculiarities I

thought we found.

No 3. The common Chestnut Oak.

of western VT. <sup>eastern</sup> the shores of Lake

Champlain: sent by C. G. Pringle

of Charlotte VT. This *Quercus* is the

*laevis* of the manual.

No 4. *Juniperus* *horizontalis* *communis*

from summer by me on Martha's Vineyard



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its northern limit. Only station before as  
I know in 2. Englewood

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No 5. *I. Castanea*. This is from the  
tree near Newburg Ky. When I was

there two years ago. I showed you  
specimens at the University. I was in the  
neighborhood again last week and got

for these specimens as you seemed in doubt  
about the specimens. The tree is small with

white velvety bark. Very like the bark of

*I. alba*. The fruit as you see is very

small. The bark especially is very

distinct from that of the common Chestnut

bark. of the banks of the Hudson. Where it

is the commonest bark. All apparently

the var. *monticola*. Except this one tree.

So far as I have observed, the var.

*monticola* grows there the bark is very

distinct than some. Dark brown and

very deeply furrowed. Almost as deeply as in

the plants of the *Populus balsamifera*. This

renders the tree very distinct and easily made

but by looking at the stem when seen from the side sometimes the bark is white.

2. 2. 5. I have seen them in the Hudson before and more than 3 feet higher.



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Rec Nov 5<sup>th</sup>

Am sam dy

BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. November 187 )

Dear Dr Engelmann,

I have to day your letter in regard  
to the Schell. Herb. I have sent  
the papers to a Mr Durant who  
has started a great flower  
College near Mr Hurrewell's  
who is forming a natural history  
collection of every sort - He has  
a large cabinet in which to put  
his Herb. but when I was last there  
there was little or nothing in it  
to put in. He will consider this  
a good chance to pick up. I have  
advised him to do so. Feeling it time



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Open I cannot help you.

The Mexican Bromeliad plants would  
sell much better in Europe I should  
think than here, and a notice of them

either in the Journal of Botany or  
one of the Continental Journals might

work them off. Have you tried

Martin's sale of 2. 2. ?

Faithfully yours,

C. S. Sargent.

Dr George Engelmann.

Pt Louis.

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Nov Dec 5  
Dec — 15

BOTANIC GARDEN,

HARVARD UNIVERSITY,

Cambridge, Mass. Dec 21 1877

My dear Dr Engelmann,

Many thanks for the fine lot  
of Illex fruit. which has arrived  
quite safely.

Will you oblige me by handing  
to Mr Eggert the enclosed. &  
let me know when you are  
writing again if he is satisfied?

Faithfully yours,

C. S. Sargent.



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Rec'd Dec 26<sup>th</sup>  
Am Jan 5

BOTANIC GARDEN,  
HARVARD UNIVERSITY,

Cambridge, Mass. Dec 22<sup>nd</sup> 187

My dear Dr. Engelmann,

Many thanks for the copies  
of your publications just received,  
and which I shall read with  
the greatest interest.

When I sent Mr Eggert the \$10  
last year I supposed it was  
rather more than I am justified  
in doing considering what he  
had collected. So this year  
I sent rather less than I otherwise  
should. Now, however, I find an



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other \$5. which I hope will

satisfy him. There will yet

occur anything whatever from

Mr. Litterman. I am for ever

and the Bumelia seed. I shall

be glad of it.

I take this occasion to wish

health & happiness to you & yours

for the New Year. which is just

about to begin.

Sincerely yours,

L. S. Sargent.

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Dr. George Engelmann.

St. Louis.



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